

Weekly Discovery

We SHARE to inspire and ignite ideas!

15 August 2016 – 19 August 2016

ARCHITECTURE

The Edge-The Next Wave: A smart building raises the bar for technology, innovation, and sustainability



[The Edge](#), by developer OVG and PLP Architects used both sustainability and state-of-the-art digital technology to design “the smartest building on the planet”.

Source: [Architectural Record](#) (1 August 2016)

COLLABORATION

A spirit of collective enterprise in research is being replaced by a rush to assign precise credit for who did what



In the academic research sector, collaboration in taking credit for works is increasingly being replaced by the tendency to assign exact credit to each individual who contributed to a particular work. Learn the implications in this [article](#).

Source: [The Chronicle of Higher Education](#) (14 August 2016)

DESIGN

The role of psychology as a design tool



Discover why human psychology is missing in the process of user-centered design in product development.

Source: [Creative Blog](#) (11 August 2016)

ELECTRONICS

MIT and Microsoft Research Made a 'Smart' Tattoo that Remotely Controls Your Phone



Introducing an, a temporary interactive tattoo! 'DuoSkin' can act as a touchpad to remotely control your smart gadgets. Also visit [DuoSkin in MIT Media Lab's website](#).

Source: [The Verge](#) (13 August 2016)

INNOVATION

Global Innovation Index 2016: Switzerland, Sweden, UK, US, Finland, Singapore Lead; China Joins Top 25

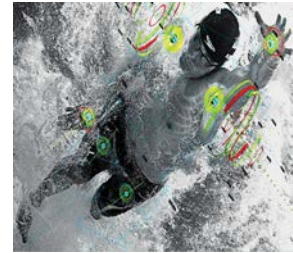


This [annual ranking](#), published by Cornell University, shows the most innovative economies worldwide. You can read more on Singapore's ranking in [The Straits Times](#). Also discover which companies are the most innovative in [Fast Company](#).

Source: [WIPO.int](#) (15 August 2016)

MOTION SENSING TECHNOLOGY

High-speed Motion Capture Tech Is Helping Olympians Swim Better than Ever

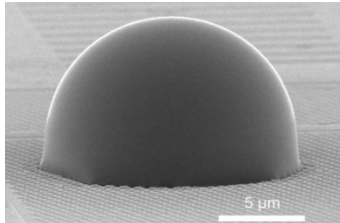


This portable technology can [capture and translate](#) the tiniest details in a swimmer's strokes into useful data with groundbreaking granularity.

Source: [Popsi.com](#) (12 August 2016)

OPTICS

'Superlens' Sets New Limits on What You Can See Under a Microscope



Scientists have fabricated a new "superlens" that could help researchers zero in on germs too small for microscopes to detect. Also read this [SCIENCE Article](#).

Source: [Livescience.com](#) (12 August 2016)

QUANTUM PHYSICS

China's hack-proof quantum satellite leap into space leads the world



China has launched the world's first ever quantum satellite. It was for the purpose of making a hack-proof communication line and is expected to pave the way for further developments in cryptography and teleportation.

Source: [Scmp.com](#) (17 August 2016)

VIRTUAL REALITY

Robotics and VR Help Heal Spinal Injuries



A new [treatment for the paralyzed](#) has been developed using a virtual reality system. After treatment, a female patient could move her leg. Also read [Virtual Reality Training Turns Olympic Triathlon Course Into Motor Memory](#).

Source: [Financial Times](#) (11 August 2016)

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